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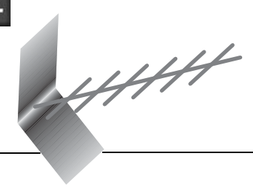
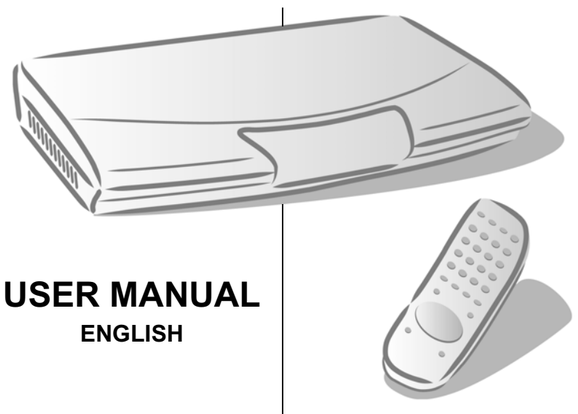
DIGITAL TERRESTRIAL TV RECEIVER / RECORDER WITH HARD DISK AND DOUBLE TUNER

PVR 6200T UK
PVR 6600T UK
PVR 7200T UK*
**Top Up TV compatible*



with Digital photo player / recorder
(photo function for the PVR 6600T only)



USER MANUAL

ENGLISH

SAGEM

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1. INFORMED OVERVIEW

CONGRATULATIONS!

This is a new generation of Sagem Communication receiver dedicated to Digital Terrestrial Television and is equipped with a hard disk. With this technological advantage, you can make digital video recordings and with the PVR6600T, you can also manage even print, photo albums.
Once you have connected your receiver, you will be able to enjoy all the services.
You can update your receiver if new functions or services become available.
The Sagem Communication Receiver follows a continuous development strategy. Therefore, we reserve the right to make changes and improvements to the product described in this user manual without any prior notice.
This product complies with EMC directive 89/336/EEC.

CE marking:
The CE marking certifies that the product complies with the essential requirements of the Directive 1999/5/CE of the European Parliament and Council concerning radio equipment and telecommunication equipment for the health and safety of users and concerning magnetic interference.

The CE declaration of conformity can be viewed in the support section of the Sagem Communication site www.sagem.com, or it can be obtained from the following address:
Sagem Communication - Customer relations department
4 rue du Petit Albi - 95800 Cergy Saint-Christophe - France
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PVR 6200 T, PVR 6600 T, PVR 7200 T
Digital TV Receiver

IMPORTANT NOTICE
Before unpacking this product further,
Your Set Top Box is supplied with default code 1234.
Have you or your local store checked your Postcode for reception?

Telephone number for your local store is on your till receipt.
Should your Store be unable to help, please check the following Website Links for Digital Terrestrial signal coverage:
http://www.dtg.org.uk/consumer/freeview.html
htmlhttp://www.freeview.co.uk
http://www.bbc.co.uk/digital
Please note : In order to receive quality digital signal you may need an aerial upgrade.

2. GENERAL INFORMATION

2-1 SAFETY

Use of the Receiver is subject to safety rules designed to protect users and their environment.

Furthermore, to gain full satisfaction and maximum performance from your Receiver, the following must be applied::

- Install the receiver indoors away from sunlight and rain: Avoid extremely hot or cold temperatures. Place the receiver and mains unit away from sources of heat such as radiators or gas/electric heaters. Do not place incandescent objects such as candles close to the receiver. It is advisable to unplug the antenna during thunderstorms. Even if the receiver and television are unplugged, they can still be damaged by lightning.

- Place the receiver and mains unit in a dry and well-ventilated place.

- Protect the receiver from damp: Place the receiver and mains unit away from rain, damp and dust. Do not place plants nearby to avoid any splashes when they are watered. If liquid seeps into the receiver or power adapter, unplug them from the power socket and contact your distributor.

- Avoid violent shocks: Never use the receiver if it is damaged. Always place your receiver on a flat surface where there is no risk of being bumped or knocked. Never open the receiver or power unit! There is a risk of electric shock. All work on the receiver must be carried out by qualified personnel.

- Only use the power unit that is supplied: Connect it to the mains in compliance with the installation instructions in this booklet and the indications written in the identification label that is fixed on the appliance (voltage, current, frequency of the electricity network). By precaution, in case of danger, the power adapters act as a cut-off device for the 230V supply. They must be located close to the appliance and be easy to access.

- Do not place anything on top of the receiver (as it would restrict ventilation): The ventilation slots located on the casing prevent your receiver from overheating. Do not place any objects such as a piece of cloth or sheet of paper on top of these slots. If you place the receiver in a compartment, leave a space of at least 10 cm each side and 20 cm in front and behind the receiver.

- Place the receiver out of reach of children: Batteries are easily swallowed by young children. Therefore, do not leave the remote control unitwithin their reach.

- Fuse: The plug of the AC lead contains a fuse. If you need to change the fuse, always use the type of fuse indicated on the plug.

2-2 CARE AND SAFETY INFORMATION

Interference: Do not place the receiver near appliances that may cause electromagnetic interference (for example, loudspeakers). This could affect receiver operation and distort the picture or sound.

Hard disk: This unit contains a hard disk. Please wait for the unit to go into standby mode before unplugging and moving it..

2-3 ENVIRONMENT

Preservation of the environment is an essential concern of Sagem Communication. The desire of Sagem Communication is to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of its products, from manufacturing to commissioning, use and elimination.

2-3-1 PACKAGING

The presence of the logo (green dot) means that a contribution is paid to an approved national organisation to improve packaging recovery and recycling infrastructures.

To facilitate recycling, please respect the sorting rules set up locally for this kind of waste.

2-3-2 BATTERIES

If your product contains batteries, they must be disposed of at appropriate collection points.

2-3-3 THE PRODUCT

The crossed-out waste bin stuck on the product or its accessories means that the product belongs to the family of electrical and electronic equipments.

In this respect, the European regulations ask you to dispose of it selectively:

-At sales points in the event of the purchase of similar equipment.

-At the collection points made available to you locally (drop-off centre, selective collection, etc.).

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

3. PREPARATION

3-1 ACCESSORIES SUPPLIED

Your receiver is supplied with the following parts:
- 1 remote control unit
- 2 batteries (AAA) for the remote control unit
- 1 Scart lead for connection to the television
- 1 AC/DC adapter and power cable
- 1 user manual

3-2 TERRESTRIAL ANTENNA

Very often, to get the best reception, you may simply need to adjust your antenna. Alternatively, you can connect a second antenna to your system. For further information, please contact your specialised distributor.

3-2-1 Standard outdoor antenna :

It is preferable to use an outside roof antenna that is designed to receive UHF channels between 21 and 69. However:
- If your building is equipped with an old antenna model, digital channels that are transmitted at high frequencies may be difficult or even impossible to receive. The problem can only be resolved by changing the antenna.
- If your building is equipped with an antenna system that contains a filter and channel selector, reception will most probably not work correctly. In this case, you will need to contact the authorities in charge of the building.
- Some antennas directed towards an analogue transmitter must be re-adjusted towards a digital TV transmitter.
- If you encounter reception problems, you can also try placing the antenna at different heights.

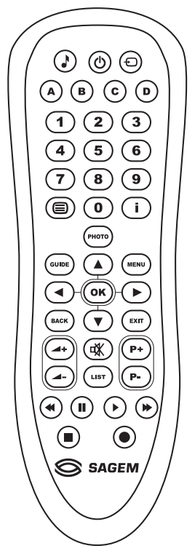
3-2-2 Indoor antenna and antenna installed on a balcony or window :

In ideal reception conditions, this type of antenna is sufficient. However, a few notes and tips are given below:
- Use an antenna that is designed to receive channels 21 to 69.
- Install the antenna close to the window and direct it towards the digital TV transmitter.
- If possible, use an antenna with an amplifier.

4. REMOTE CONTROL UNIT

4-1 REMOTE CONTROL UNIT

Do not forget to point the remote control unit towards the receiver when using it.



KEYS	FUNCTION
	Radio: Access radio mode
	Switch on/place the receiver in standby
	TV-AUX: Manage the Scart outputs and Teletext functions
A B C D	On-screen options
0-9	Access the channels and various on-screen options
	Access Teletext
i	Display programme information
PHOTO	Access PHOTO mode on the PVR6600T
GUIDE	Access the programme guide
MENU	Access the menus
	Move in a page, menu...
OK	Validate a function or option
BACK	Go back to the previous screen or mode
EXIT	Exit a screen or mode
	Raise or lower the volume level
	Turn the sound off
P+ P-	Change channel
LIST	Access the recording list
	Rewind a recording
	Pause
	Play a programme
	Fast forward a recording
	Stop
	Record

The remote control unit's functions in PHOTO MODE are explained separately see "Function of the remote control unit keys in PHOTO MODE", page 17.

4-2 BATTERIES

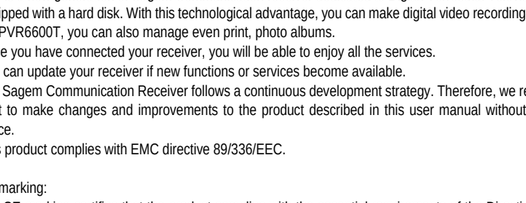
The remote control unit requires two batteries (AAA) to operate.
The diagram in the battery compartment indicates how to install them.
The batteries supplied are not rechargeable.

5. QUICK INSTALLATION

Before connecting this product, please ensure that Digital Terrestrial Television is available in your region.

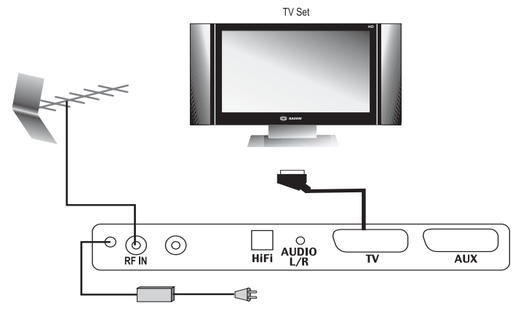
5-1 INSTALL TOP UP TV CARD (only PVR 7200T series)

To access, Top Up TV channels, you may turn the receiver and place the smard card as indicated below.



5-2 CONNECTIONS

Before installing your Receiver, please check that your delivery is complete: user manual, remote control unit, batteries (X2), Scart lead and AC/DC adapter.
Please ensure that the appliances to be connected together (Receiver, TV, VCR...) are unplugged before making any connections.
Connect the appliances together as shown in the diagrams and plug them back into the power socket.
For optimum quality, connect the Scart lead to the TV Scart socket that is marked with 3 dots (RGB).



To connect peripheral equipment, see "PERIPHERAL CONNECTIONS", page 26.

5-3 FIRST INSTALLATION

After connecting the Receiver correctly, a first time installation must be carried out. Switch on your Receiver (Do not forget to switch on your television at the same time). A welcome screen is displayed.

When the Receiver is ready, press OK to start the installation.

Select the language and country (UK) with the keys ◄ and ► and validate by pressing OK.

The receiver automatically searches for the available channels.

If no channels are found, the receiver proposes that you adjust the antenna.

Enter a channel number (consult the list of channels that transmit in your sector).

Adjust the antenna until the level and quality signals become green.

Press BACK to go back to the channel search.

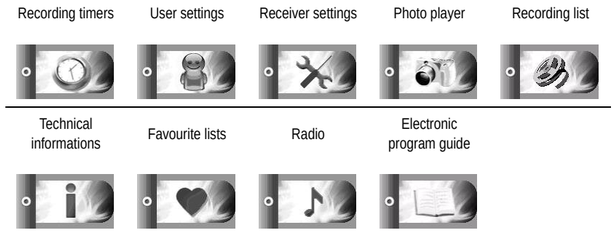
If problems persist, please contact your specialised distributor or the Sagem Communication Hotline.

UK Hotline: 0905 77 48 081*.

** 0.15 £/min, tariff cost effective form 06/27/2005.*

6. INSTALLATION MENUS

6-1 ICONS



6-2 USER SETTINGS

To move in the screens and change the various settings, simply use the keys ◄, ►, ▲, ▼ to indicate your selections, OK to validate and BACK to quit the screens.
To access the user settings screen, press MENU. Once you are in the main menu, select USER SETTINGS.

6-2-1 Changing the Receiver code (access code)

In USER SETTINGS, select CHANGE RECEIVER CODE.
This code is used and requested to lock the installation, Receiver, channels and recordings.
The default access code is 1234. If you enter 0000, the control functions are disabled.

6-2-2 Language selection

In USER SETTINGS, select LANGUAGE SETTINGS.
In the language menu, select the desired language for the menus, audio and subtitles.

6-2-3 User preferences

In USER SETTINGS, select USER PREFERENCES.
Network monitoring: Network monitoring can be programmed. In this case, you will be informed each time a new channel or service is installed.
Banner timeout and banner transparency: The banner display time and level of transparency can be set.
Volume bar timeout: The volume indicator display time can be set.
Country: Confirm your geographical location. Please rescan if you change the country.

6-2-4 Locking and parental consent

In USER SETTINGS, select LOCKING.

Receiver locking: Completely locks access to the Receiver with a code. If you select YES, you will be prompted to enter your access code (1234 by default) each time you switch your receiver on.
Channel locking: Enables locking for all the channels. If you select YES, you will be prompted to enter your access code each time you want to look at a channel.
Channel to lock: To lock some channels only. You will be prompted to enter your access code each time you want to look at a locked channel.
Level: to lock programmes that are rated at higher parental consent that the value entered. Select 03 for maximal control (all programmes rated will be blocked) or 18 (all programmes will be authorized).

A record on a channel locked or a programme rated with an age higher than autorized will appear only in the the full list of recording.

6-3 Installing favourite lists

In MAINS MENU, select FAVOURITE LISTS.

Selected list: By default, all the channels found during the installation are located in list A.
There will be two distinct types of list: TV lists and RADIO lists.
To create new lists (from B to H), simply select them, add (CREATE OR MODIFY) or delete channels.

6-4 RECEIVER INSTALLATION

To move in the screens and change the various settings, simply use the keys ◄, ►, ▲, ▼ to indicate your selections, OK to validate and BACK to quit the screens.
To access the Receiver installation screen, press OK. Once you are in the main menu, select RECEIVER SETTINGS.
A code prompt is displayed: enter 1234 then (to change the code, see "Changing the Receiver code (access code)", page 7.

6-4-1 Channel search

In RECEIVER SETTINGS, select CHANNEL SEARCH.
A bar indicates the search progress.
If channels are found, a window is displayed prompting you to validate them.

The number of channels in the list may be less than the number displayed when scanning, once the duplications have been deleted at the end of the search process.

If no channel has been found, refer to the section Antenna signal to adjust the antenna.

6-4-2 TV, VCR and Home Cinema settings

In RECEIVER SETTINGS, select VIDEO AND SOUND SETTINGS.
Use the arrows to navigate and select your options then validate. To select these options, refer to the manuals for your audio and video equipment.

TV screen format: selection of display mode for your TV set - 4/3 Pan of scan, 16/9, 4/3 letter box.
TV scart standart: selection of video standart (Pal or RGB) for the TV output.
TV RGB output: selection of signal level (low, medium, high) for the RGB signals.
AUX scart: selection of video standart (PAL - or S-VIDEO) for the AUX output.
Digital Audio Output: selection of audio stream for the numerical audio output. If home cinema is selected, when an AC3 audio stream is broadcasted, this stream is sent on the numerical audio output otherwise it is the stereo data that is sent.

If you are not sure, leave the default settings (do not change them).

Do not select "HOME CINEMA" mode except if the amplifier connected support this mode.

6-4-3 Return to the default factory settings

In RECEIVER SETTINGS, select RESET FACTORY DEFAULT.

If you validate this option, all the channels and settings will be lost.

7. INFORMATION

The information contained in this menu may be requested if you contact your supplier or another service (For example, maintenance). This information concerns your receiver and the embedded software.

In MAIN MENU, select TECHNICAL INFORMATION. Give information on PVR software.

7-1 RECEIVER

In TECHNICAL INFORMATION, select PRODUCT DATA.

7-2 HARD DISK

In TECHNICAL INFORMATION, select HDD INFORMATION.

7-3 ANTENNA SIGNAL

In TECHNICAL INFORMATION, select ANTENNA SIGNAL INFORMATION.

Enter a value in the CHANNEL line to find out the level and quality of this channel.

7-4 Subscription information (PVR 7200 only)

In technical information select subscription information. Give information on your subscription and smart card.

7-5 MEDIA GUARD INFORMATION (PVR 7200 only)

Give information on Media guard librairy.

8. VIDEO RECORDINGS

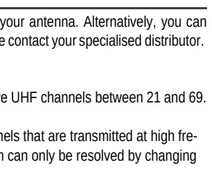
Video recorder: Recordings and managing recordings

From 20 to 80 hours of recording are possible, depending on the model and hard disk capacity.
It is possible to watch one programme while recording another programme.
In the same way, it is possible to watch a programme in deferred mode while recording another programme.
Two recordings cannot be programmed in the same time slot.

Take care than MHEG services (red button) are not recorded and also are unavailable during record.

8-1 LIVE MODE / DEFERRED MODE

The unit automatically saves the previous 30 minutes of the channel that is watched. This sliding recording mode can be used to stop live mode, rewind and review the programme that was recorded moments before.



Press ◄◄, ►►, ❚❚ and ► to enter the time shift recording. A banner with the Deferred/Live time is displayed at the top of the screen.

8-1-1 Pause

Deferred playback can be stopped using the key ❚❚. You will then see the deferred playback delay increase compared to the live programme

8-1-2 Rewind

It is possible to rewind the recording using the key ◄◄.
You will then see the Deferred/Live delay increase. The rewind speed can be increased (up to 600 times the normal speed) by pressing this key several times. Therefore, it is possible to rewind 30 minutes (note: To do this, the current programme must have been watched for at least 30 minutes).

8-1-3 Fast forward

It is possible to fast forward the recording using the key ►►. You will then see the Deferred/Live delay decrease.
The fast forward speed can be increased (up to 600 times the normal speed) by pressing this key several times. If you remain in fast forward, you will finish by reaching the live programme.

8-1-4 Play

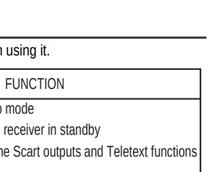
To play in deferred mode, simply press the key ►.

8-1-5 Stop

To go back to the live programme, simply press the key ■.

8-2 IMMEDIATE RECORDING

To record a live programme, select the channel and press ●.



You can then change channel without the recording being affected.

To stop a recording, press the key ■.

Access to recording can be locked. To do this, after pressing ●, press the key i. Highlight the Locking line and select YES.

The locked programme will then be hidden in the programme list. To access the locked program, press B (COMPLETE LIST) (cf. recording list chapter).

When the key ● is pressed several times, you can select a recording time in 30-minute steps with a maximum duration of 4 hours.

8-3 RECORDING PROGRAMMED VIA THE MENU

Press the key MENU then confirm the Recording timers.

Highlight a blank line using ▲ and ▼ and press OK. A screen is displayed in which you can select the recording options.

Select the recording frequency:
SINGLE (once per day at the scheduled time).
WEEKLY (once per week at the scheduled time).
DAILY(MON-FRI) (at the scheduled time, everyday from Monday to Friday and every week).
DAILY(MON-SA T) (at the scheduled time, everyday from Monday to Saturday and every week).
DAILY(MON-SUN) (at the scheduled time, everyday and every week).

Then enter the channel, date and the recording start and end time.

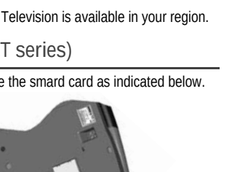
Validate locking if required to restrict access to this recording (cf. Recording list).

Confirm the schedule by pressing OK key.

To change a recording, enter the recording timers menu again. Make the required changes on the recording settings and confirm the schedule.

8-4 RECORDING PROGRAMMED VIA THE PROGRAMME GUIDE

Press the key GUIDE to access the programme guide screen.



The specific feature of recording via the guide is that you can record specific programmes instead of time slots on channels. Of course, to be able to do this, the broadcasters must give the information on the forthcoming programmes.
Move in the screen and select the channel and programme to be recorded. Use the A key (red) to display all the programmes on the various days of the week on the selected channel.

Press ● to validate your selection. A timer confirms the programme recording.Is possible to add margins or modify the timer in the recording timers (see "RECORDING PROGRAMMED VIA THE MENU", page 12).

Press ■ to cancel a scheduled recording.

To cancel a recording in progress, you must firstly stop it by going back to live mode and pressing ■.
If two consecutive records, on same channel are done on the EPG and the end time of the first is equal to the beginning times of the second they will be merged together.

8-5 RECORDING LIST

To access the recording list, press the key LIST.
Select a programme using the keys ▲ or ▼. Press OK to play the recording.
In play mode:

Use ◄◄, ►►, and ❚❚ to move in the recorded programme.

Press ■ to go back to the list or EXIT to go back to live mode.

8-6 MANAGING THE RECORDING LIST

The coloured keys A, B, C and D are used to manage the recording list.

8-6-1 Erasing a recorded programme or list

A (red key): To erase the selected programme or the entire list (confirmation banner).
It is impossible to erase the entire list if a recording is in progress.

8-6-2 Accessing the complete list

The locked recorded programme are hidden in the standard list. Press B (green key) to display the complete list. The code to access locked programmes is then requested.

8-6-3 Merging recordings

Press C (yellow key) to merge two recordings. Use the C key to successively select the two programmes to be merged. A confirmation window is displayed. The second recording will be placed directly after the end of the first recording and the new recording will adopt the name of the longest recording.

8-6-4 Renaiming a record

Press D key (blue key) to rename a record.
Enter a new name using the alphanumeric keypad on the remote control unit (for example, press key 2 for letter A, press key 2 twice quickly for letter B, etc....).

8-6-5 Erasing a portion of a recording

Another function can be used to:
- Erase a portion of a recording from the beginning to a point that is determined manually,
- Erase the portion of a recording between two points that will be determined
- Erase the portion of a recording between the current playing position and the end of the recording.
- Cut a recording into two parts.

To do this, select a recording from the recording list, read it and press ⏸ at the desired location. Then press the key ⓘ to display the banner and OK for more information.
In CUT, select between:

- at begin: the part of the recording between the beginning and the selected place will be erased
- in the middle: the part of the recording between the selected place (index) and the next position will be erased. To select the other end of the part to the erased, validate [in the middle], then move using , ▶, ⏪ and ⏩ to the second marker. Then repeat the operation ⏸, ⓘ, OK and validate [in the middle] again to cut the selected zone.
- at end: the part of the recording between the selected place and the end will be erased.
- in two parts: the selected recording is cut into two parts that are called '1 recording name' and '2 recording name'.

8-7 SAVING A RECORDING ON ANOTHER MACHINE

Connect your video recorder, for example, via the AUX Scart socket.

Select this input on your video recorder.

Select play mode on the receiver and record mode on the video recorder.

Then refer to your video recorder instruction manual for the procedure to follow.

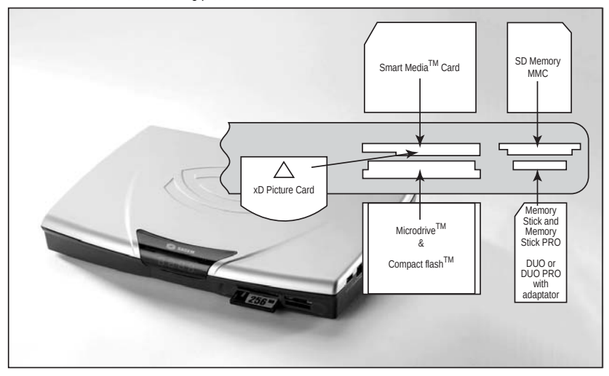
9. PHOTO EDITOR

This equipment only exists for the PVR6600T version.

9-1 CARE INFORMATION

The unit is designed to accept formats CFI and CFII, SM (Smartmedia), MS (Memory Stick), MSPRO (Memory Stick Pro), SD (Secure Digital), MMC (MultiMediaCard) and xD.

These cards must be inserted in the correct slot for the model as indicated in the drawing. Failing this, the card reader and cards may be damaged or the data stored in the cards may be lost.
Only one card must be inserted in the card reader at a time.
Don't remove card during picture transfer.


Smart Media™ Card
SD Memory MMC
xD Picture Card
Microdrive™ & Compact flash™
Memory Stick and Memory Stick PRO
DUO or DUO PRO with adaptator

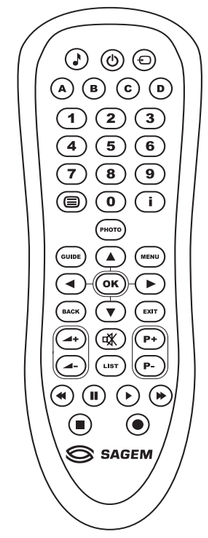
9-2 STARTING THE PHOTO EDITOR

You can access the photo editor by:
- inserting a memory card,
- pressing the key PHOTO on the remote control unit.

The photo player can only display photos in jpeg format (basic format only).

Photo mode cannot be accessed when a scheduled recording is in progress

Function of the remote control unit keys in PHOTO MODE



TOUCHES	FONCTION
♪	Switch the radio on for background music
⏻	Switch on/place the receiver in standby
A	Erase an album or photo on the hard disk
B	On-screen options
C	On-screen options
D	On-screen options
0-9	Access the various on-screen options and insert alphanumeric characters
ⓘ	Display information on a photo
PHOTO	Access the Photo Editor
MENU	Adjust the Slideshow parameters
GUIDE	Help
◀ ▶	Scroll forwards or backwards to view the photos
OK	Validate a selection or view a picture
BACK	Go back to the previous screen or mode
EXIT	Exit a screen or the Photo editor
🔊+ 🔊-	Raise or lower the radio volume level
🔇	Turn the sound off
⏸	Pause the slideshow
▶	Start or restart the slideshow
■	Unselect photos to be printed
●	Select photos to be printed

9-3 READING AND TRANSFERRING A PHOTO ALBUM FROM A MEMORYCARD

9-3-1 Creating and transferring the photo album

Insert the card. It then becomes visible in the list of albums and photos that are displayed as thumbnails.

Press the C key (yellow) to copy the album to the hard disk.

You can copy the entire album stored on your card as a new album or place it in an album that already exists in your Photo editor. To do this, select the required destination with the arrow keys◀, ▶, ▲, ▼ and confirm.

If you decide to create a new album, it's default name will be the date when the oldest jpeg file stored on the card was created. If you want to give it a different name, enter a new name using the alphanumeric keypad on the remote control unit (for example, press key 2 for letter A, press key 2 twice quickly for letter B, etc.).

Of course, you can view the photos without copying them onto the hard disk. When you remove the card, the card's folder will disappear from the photo album.

9-3-2 Reading the photo album

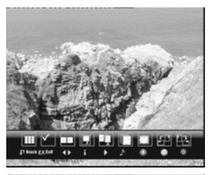
To read a photo album, regardless of whether or not it is recorded on the hard disk, press the key OK on the remote control unit when it is selected.
The player then displays thumbnails of the photos.
If the card does not give the thumbnails, they will not be displayed, but this does not stop you from recording the photos and viewing them in the photo album.
You can go back to the list of photo albums at any time by pressing BACK.

9-3-3 Different photo viewing modes

Thumbnail mode:

The navigation keys are used to reach the photo to be displayed. You can then display the photo full screen by pressing OK.
Keys ⏪ and ⏩ are used to scroll forwards or backwards through the pages.
Key▶ is used to switch to Slideshow mode.

Photo full screen mode:



The navigation keys are used to scroll through the photos one by one or manually forwards or backwards. You can obtain information on the picture and display the help banner using the key ⓘ. Press this key again to remove this information.

Slideshow mode:

Press key ▶ in thumbnail mode to start slideshow mode. The photos are displayed at a determined speed. To adjust the slideshow mode settings, press the key MENU. A SLIDESHOW SETTINGS screen is displayed that can be used to change various settings. The help banner is used to access other functions (see screen opposite). This banner disappears after a few seconds without any action. You can also obtain information on the picture and display the help banner using the key ⓘ.

You can go back to the previous mode or the list of photo albums at any time by pressing BACK.

9-3-4 Importing a picture via the USB port

You can also connect a USB picture storage device such as a USB key.
It is connected to USB port A to be able to read or transfer photos, in the same way as for a memory card.
For USB data, all the files are viewed at the same level (the tree structure is flattened) and all the jpeg files will be read.

9-4 MANAGING ALBUMS

You can rename an album, read or edit information on this album, or delete an album.
The data on the memory card cannot be modified.

Press the A key (red) to delete an album.

Press the B key (green) to rename an album.
Enter a new name using the alphanumeric keypad on the remote control unit (for example, press key 2 for letter A, press key 2 twice quickly for letter B, etc.).

Press the key ⓘ to display or edit information on an album.

To access information on an album, press the key ⓘ. You can now edit the information on this album by pressing the D key (blue). Then enter the text required using the alphanumeric keypad on the remote control unit (for example, press key 2 for letter A, press key 2 twice quickly for letter B, etc.).

9-5 MANAGING PHOTOS

You can transfer photos between albums, rename photos, sort them and print them. When reading a photo card, only select and transfer functions are available.
Press the D key (Blue) to access Photo management.
To select or unselect a photo: Press OK.

To select several photos: Press the B key (green) during two seconds to select the first photo and press it once to select the last photo in the group. All the photos between these two photos are then selected. The key OK is used to add or remove photos in your selection. By pressing the B key (green) again, you can add a new selection to your initial selection.

To transfer selected photos in an album: Select the destination for the photos by selecting an album and pressing the D key (blue).

To copy or move selected photos between albums: Press the C key (yellow). Then choose to transfer or copy into another album or a new album that is created specifically for this purpose.

To delete one or more selected photos: Press the A key (red).

To rename a photo: Press ⓘ then OK. Proceed in the same way as for renaming an album see "MANAGING ALBUMS", page 20..

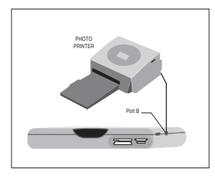
To sort photos :
Select the photos to move. Place the cursor to the new position using keys ◀ or ▶. Press the key D. The photos are moved to the new position.

9-6 PRINTING

You can print a photo album on a printer (for example, SAGEM PHOTO EASY) by connecting it to USB port B. In this case, the printer takes control of your receiver.

9-6-1 Selecting the photos to be printed via the Receiver

Scroll through the photos on your Receiver.



Select the photos by pressing the key ●. The printer icon is displayed on the picture to indicate that it is selected.

Unselect the photos by pressing the key ■.

Finally, connect the printer to USB port B. The printer then takes control of the receiver (The printer must manage the preselected files for printing).

Each time the Receiver is placed in standby, the preselection file for printing is erased.

9-6-2 Selecting the photos to be printed via a Printer

Select your photos directly via the printer that will then import them.

10. EVERYDAY USE

10-1 SELECTING A TELEVISION CHANNEL

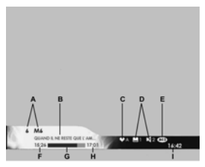
10-1-1 Using the keys P+ and P-, or keys 0-9

Press the keys P+ or P- to change channel or enter its number on the numeric keypad on the remote control unit to access the desired channel directly.
It is possible to go back to the channel previously viewed by pressing the key BACK.

10-1-2 Using the channel list

Press the key OK to display the channel list, select your channel then press again OK to validate.
It is possible to go back to the channel previously viewed by pressing the key BACK.

10-1-3 Channel information banner



Each time you select a new channel, an information banner is displayed on the screen.
The quality and quantity of information does not depend on your receiver. It is supplied by the actual channels.
The banner display time and level of transparency can be set in User preferences:
A Channel number and name
B Name of programme
C Favourite list
D Number of audio tracks and subtitles
E AC3 audio
F Start time of programme
G Elapsed time
H End time of programme
I Current time

10-1-4 Extended information banner

If you want more information on the current programme and the following programme, press the key ⓘ on your remote control unit.
Press again ⓘ or EXIT to delete the information banner.

10-2 SELECTING A RADIO CHANNEL

If this service is supplied by your operator.
Press the key♪ to switch to RADIO mode.
Press EXIT to switch back to VIDEO mode.

10-3 ADJUSTING THE AUDIO VOLUME LEVEL

Volume: The volume level is adjusted using the keys 🔉- and 🔊+.
Mute mode: The sound is cut if you press the key🔇. The sound is restored if you press the same key again.
The sound on the AUX Scart socket and Hi-Fi and digital audio outputs is not affected by these operations.

10-4 CHANGING THE FAVOURITE LIST

Press ⓘ to display the screen. Press the D key (Blue) to scroll through the lists.
A new favourite list can also be created in the FAVOURITE CHANNEL LIST.

10-5 TEMPORARILY SELECTING AUDIO LANGUAGES AND SUBTITLES

Press ⓘ to display the extended information banner.
Press OK to display the AUDIO banner.
Press ▲ and ▼ to select the audio and subtitle languages.
Temporary settings are not maintained after zapping.

10-5-1 Audio language / sound track

Select the language in the audio list proposed. All modifications are taken into account immediately.

10-5-2 Subtitle language

Select the language in the Subtitle list proposed. All modifications are taken into account immediately.

10-6 TELETEXT

If this service is supplied by your operator.
Press the key ▤ on your remote control unit to access Teletext mode.
To access the Teletext pages, use the numeric keys or press the keys ◀ and ▶.

10-7 TV / VCR SWITCH

Press the key ⇆ on your remote control unit to toggle the video recorder signal so that it is sent directly to the television. This function is only possible if the devices are connected together via a Scart lead.

10-8 ELECTRONIC PROGRAMME GUIDE

If this service is supplied by your operator.

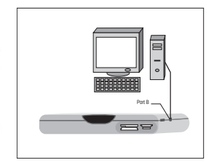
Press GUIDE the key to access the electronic programme guide.
Select a channel in the list to obtain information on the current programme on this channel. A video of the current program is displayed in the top left.
In the same way, other information on the various forthcoming programmes is available.

Programmes may be recorded using the electronic guide (cf. chap. 8.3).

11. CONNECTING A COMPUTER

Only version PVR6600T has USB ports.

A computer (for example, a PC) can be connected to USB port B.



The photo partition of the Receiver is seen as a removable mass memory on your computer. It is then possible to rename photos and albums, move photos between albums and transfer them to and from the computer.

To view the changes made on the Receiver, place your equipment in standby.

When you unplug the receiver from a computer, do it correctly: select "Remove the removable device" in the menu bar on your PC.

12. UPDATING THE SOFTWARE

The receiver enters this mode when a new software version is supplied on the network after start-up.
The system goes back into standby and then restarts by itself.
A welcome picture is displayed.
Then the "Software update" screen opens.
You can postpone the downloading process by pressing the EXIT key. This process will be displayed again next timeyou switch your receiver on.

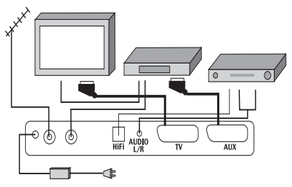
Downloading starts when you press the key:
The screen becomes black.
The display indicates the download phases (0 to 4).

The user cannot carry out any operation during this process during some minutes (5 to 10).

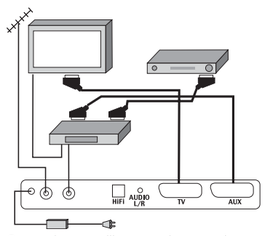
Once the process is complete, the receiver will switch on automatically.

After the receiver has switched itself on, press the key OK to quit the welcome screen and go back to the last programme watched.

13. PERIPHERAL CONNECTIONS



Connecting auxiliary equipment (e.g. video recorder) for a television with a Scart socket.
Connecting an audio amplifier, using a stereo lead (Jack 3.5 mm to two RCA), or using a fibre optic lead (IEC958). Fibre optic connexion is mandatory to profit from a "HOME CINEMA" system.



Connecting auxiliary equipment (e.g. video recorder) for a television with a Scart socket.

Connecting an analogue decoder with a Scart socket.

14. REFERENCE

14-1 TROUBLESHOOTING

The remote control unit has no effect on the receiver.	☞ Point the remote control unit towards the receiver. ☞ Check the condition and orientation of the batteries.
The receiver displays - - : - -.	☞ Take the receiver out of standby by pressing ⏻.
A black screen or an error message is displayed.	☞ Carry out a programme search.
Picture motion less or reception problem.	☞ Check all the connections and start a programme search again.
The receiver cannot find any channels.	☞ Check that you are in a broadcast area. ☞ Readjust your antenna (cf. Quick Installation chapter).
The television does not switch to the receiver when it leaves standby mode.	☞ Check that your television is connected to the TV Scart socket and if required, select the Scart input directly on your television.
No sound in "HOME CINEMA" mode on some channels.	☞ Check that you are connected to a "HOME CINEMA" amplifier with a digital link.
Black and white video on AUX output (VCR recording).	☞ Check that AUX Scart signal is compatible with your VCR. Select PAL type.
Some recordings are not listed in the recording list.	☞ Check that the records are not loaded. In this case they will appear only in the full list see "Accessing the complete list", page 14.

14-2 SPECIFICATIONS

Transmission Standards
DVB-T, MPEG 2, OFDM

Tuner
RF Input
Input Connector: IEC 169-2 female
RF input frequency range:
UHF 470-862 MHz (8 MHz BW)
VHF 174-222 MHz (8 MHz BW)
RF input level: -90 to -20 dBm
Input impedance: 75 Ohms
COFDM bandwidth: 8 MHz
Tuning step: 166.66 kHz
RF output
Output connector: IEC 169-2 male
RF bypass: 47-862 MHz

Demodulator
COFDM modes supported: 2 k/8 k
Support: SFN
Modulation: QPSK, 16-QAM, 64-QAM
Code rate: 1/2 to 7/8
Mode: Non-hierarchical
Guard interval: 1/4, 1/8, 1/16, 1/32
De-interleaver: 12x17 Forney
Error-correcting code: RS (204,188, 8)

Hard disk
Capacity/Recording :
40 GB, PVR 6240T up to 20 hours
80 GB, PVR 6280T up to 40 hours
160 GB, PVR 62160T up to 80 hours
80 GB, PVR 6680T up to 37 hours and 7.000 pictures
160 GB, PVR 66160T up to 75 hours and 15.000 pictures
80 GB, PVR 7200T up to 40 hours
160 GB, PVR 72160T up to 80 hours
Noise level (Typ): <30dBA

Microprocessor and memories
Processor: IBM Power PC(r) CPU 252 MHz, 350 MIPS
RAM: 32 MB
Flash memory: 2 MB

Demultiplexing/Descrambling
ISO/IEC 13818-1 standard compliant

Video receiver
MPEG-2 (ISO/IEC 13818-2)
Profile and level supported:
MP@ ML
Input rates: 1.5 to 15 Mbit/s
Aspect ratios: 4:3 and 16:9
Video Resolutions:
720x576, 704x576, 544x576, 480x576, 352x576, 352x288
Conversion:
Pan and Scan, Letterbox
Resizing and Zoom:
up/down (1/4, 1/16)

Audio Receiver
ISO/IEC 13818-3 standard compliant
MPEG-Layer I and II (Musicam Audio)
Mode: Mono, Stereo, Joint Stereo
Sampling frequencies: 32/44,1/48 kHz

A/V Input/Output
TV SCART
RGB, CVBS, Audio stereo
AUX SCART
RGB input, CVBS, S-video output,
Audio analog Hi-Fi stereo
3.5 mm stereo jack
Audio digital output
PCM stereo or AC3, IEC958 optical

Computer ports*
'Host' USB 2.0 connector (USB key)
'Device' USB 2.0 connector (PC, Photo printer)

Photo card reader*
Standards supported:
Compact Flash I & II, Secure Digital Smartmedia, MultiMediaCard, Memory Stick, Memory Stick Pro xD Picture Card

External power supply
AC: 220-240 V ~50 Hz
Output: 12 V DC 3.5A
Max power consumption : 18 W (standby 9.5 W)

Front panel
1 seven-segment amber display
IR sensor: 38 kHz

Physical Specifications
Receiver:
Size (lxdxh): 315x230x45 mm
Weight: ~1.75 kg
Operating temperature: +5°C to +40°C
Complete packaged receiver:
Weight: ~2.7 kg
Size (lxdxh): 247x236x80 mm
Storage temperature: -25°C to +65°C

Accessories
41-key remote control unit Range: 7 m
Batteries: 2 x 1.5 V (AAA type)
1 Scart lead
External AC/DC adapter with power cable

**PVR 6600 photo only.*

14-3 GUARANTEE

ATTENTION
In order to apply the guarantee, you should contact your dealer or Sagem Communication helpdesk at 0905 77 48 081*.
Proof of purchase will be required. Should any malfunctioning arise, the dealer or Sagem Communication helpdesk will advise you what to do.

If you bought your equipment from Sagem Communication directly, the following shall apply:

1) Sagem Communication undertakes to remedy by repair, free of charge for labour and replacement parts, any defects in the equipment during a period of twelve (12) months from the date of original delivery of the equipment, where those defects are a result of faulty workmanship.

During this twelve-month guarantee period, the defective equipment will be repaired free of charge; the customer must however return the defective equipment in its original package with all accessories at his/her own expense, to the address given by Sagem Communication After Sales Department, the phone number of which can be found on the delivery slip. Unless the customer has concluded with Sagem Communication a maintenance contract for the equipment which specifically provides for repairs to be carried out at the customer's residence, the repairs will not be carried out on the equipment at the customer's residence.

The following sentence applies to purchases of equipment for the customer's trade, business or profession.

Except as otherwise expressly provided in this Document and to the extent permitted by law, Sagem Communication makes no representations or warranties, express or implied, statuette or otherwise, and to such extent, all terms and conditions implied by law are hereby excluded.
This guarantee does not affect the Customer's statutory rights.

2) Exclusions from Guarantee

SAGEM shall have no liability under the guarantee in respect of:
- damage, defects breakdown or malfunction due to:
  - failure to properly follow the installation process and instructions for use, or
  - an external cause to the equipment (including but not limited to, lightening, fire, shock or water damage of any nature),

or
- modifications made without the written approval of Sagem Communication, or
- a failure or neglect to maintain the equipment or inappropriate maintenance, or
- unsuitable operating conditions, particularly of temperature and humidity, or
- repair or maintenance of the equipment by persons not authorised by Sagem Communication, or
- the removal and/or destruction of the label positioned on the fixation screw of the lower plastic cover,
  - wear and tear from normal daily use of the equipment and its accessories,
  - damage due to insufficient or bad packaging of equipment when returned to Sagem Communication,
  - supply of new versions of software,
  - work on any equipment or software modified or added without the prior written consent of Sagem Communication,
  - malfunctions not resulting from the Equipment or from software installed in user workstations for the purpose of use of the equipment,
  - communication problems related to an unsuitable environment, including:
    - problems related to access and/or connection to the Internet such as interruptions by access networks or malfunction of the line used by the subscriber or his correspondent,

- transmission faults (for example poor geographical coverage by radio transmitters, interference or poor line quality),
- the local network fault (wiring, servers, workstations) or the failure of the transmission network,
  - the normal servicing (as defined in the user guide supplied with the equipment) as well as malfunctioning due to servicing not being carried out, servicing costs are in any event always borne by the customer.

** 0.15 £/min, tariff cost effective form 06/27/2005.*